

PCT REQUEST

Original (for SUBMISSION)

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| 0 | For receiving Office use only | |
| 0-1 | International Application No. | |
| 0-2 | International Filing Date | |
| 0-3 | Name of receiving Office and "PCT International Application" | |
| 0-4 | Form - PCT/RO/101 PCT Request | |
| 0-4-1 | Prepared Using | PCT-SAFE [EASY mode] Version 3.50 (Build 0002.150) |
| 0-5 | Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty | |
| 0-6 | Receiving Office (specified by the applicant) | International Bureau of the World Intellectual Property Organization (RO/IB) |
| 0-7 | Applicant's or agent's file reference | 555CHE2003 |
| I | Title of Invention | AN IMPROVED PROCESS FOR THE PREPARATION OF CEFEDITOREN |
| II | Applicant | |
| II-1 | This person is: | applicant only |
| II-2 | Applicant for | all designated States except US |
| II-4 | Name: | ORCHID CHEMICALS & PHARMACEUTICALS LTD |
| II-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholinganallur, 600 119 Chennai India |
| II-6 | State of nationality | IN |
| II-7 | State of residence | IN |
| II-8 | Telephone No. | 91-44-24501347 |
| II-9 | Facsimile No. | 91-44-24501396 |

PCT REQUEST

Original (for SUBMISSION)

| | | |
|---------|----------------------------------|--|
| III-1 | Applicant and/or Inventor | |
| III-1-1 | This person is: | applicant and inventor |
| III-1-2 | Applicant for | US only |
| III-1-4 | Name (LAST, First) | PRABHAT, Kumar, Sahoo |
| III-1-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholingu- ganallur, 600 119 Chennai India |
| III-1-6 | State of nationality | IN |
| III-1-7 | State of residence | IN |
| III-2 | Applicant and/or Inventor | |
| III-2-1 | This person is: | applicant and inventor |
| III-2-2 | Applicant for | US only |
| III-2-4 | Name (LAST, First) | VEMPALI, Anandam |
| III-2-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholingu- ganallur, 600 119 Chennai India |
| III-2-6 | State of nationality | IN |
| III-2-7 | State of residence | IN |
| III-3 | Applicant and/or Inventor | |
| III-3-1 | This person is: | applicant and inventor |
| III-3-2 | Applicant for | US only |
| III-3-4 | Name (LAST, First) | SUNDARAVADIVELAN, Sivakumaran |
| III-3-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholingu- ganallur, 600 119 Chennai India |
| III-3-6 | State of nationality | IN |
| III-3-7 | State of residence | IN |

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| | | |
|---------|---------------------------|---|
| III-4 | Applicant and/or inventor | |
| III-4-1 | This person is: | applicant and inventor |
| III-4-2 | Applicant for | US only |
| III-4-4 | Name (LAST, First) | PRAVEEN, Nagesh, Ganesh |
| III-4-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholin- ganallur, 600 119 Chennai India |
| III-4-6 | State of nationality | IN |
| III-4-7 | State of residence | IN |
| III-5 | Applicant and/or inventor | |
| III-5-1 | This person is: | applicant and inventor |
| III-5-2 | Applicant for | US only |
| III-5-4 | Name (LAST, First) | VITTAL, Manikrao, Waghdare |
| III-5-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholin- ganallur, 600 119 Chennai India |
| III-5-6 | State of nationality | IN |
| III-5-7 | State of residence | IN |
| III-6 | Applicant and/or inventor | |
| III-6-1 | This person is: | applicant and inventor |
| III-6-2 | Applicant for | US only |
| III-6-4 | Name (LAST, First) | PANDURANG, Balawant, Deshpande |
| III-6-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholin- ganallur, 600 119 Chennai India |
| III-6-6 | State of nationality | IN |
| III-6-7 | State of residence | IN |

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|---------|--|---|
| III-7 | Applicant and/or inventor | |
| III-7-1 | This person is: | applicant and inventor |
| III-7-2 | Applicant for | US only |
| III-7-4 | Name (LAST, First) | PARVEN, Kumar, Luthra |
| III-7-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholin- ganallur, 600 119 Chennai India |
| III-7-6 | State of nationality | IN |
| III-7-7 | State of residence | IN |
| III-8 | Applicant and/or inventor | |
| III-8-1 | This person is: | applicant and inventor |
| III-8-2 | Applicant for | US only |
| III-8-4 | Name (LAST, First) | PRATIK, Ramesh, Sathe |
| III-8-5 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholin- ganallur, 600 119 Chennai India |
| III-8-6 | State of nationality | IN |
| III-8-7 | State of residence | IN |
| IV-1 | Agent or common representative; or address for correspondence No agent or common representative is/ has been appointed; the following special address should be used as: | address for correspondence |
| IV-1-1 | Name (LAST, First) | PARVEN, Kumar, Luthra |
| IV-1-2 | Address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholin- ganallur, 600 119 Chennai India |
| IV-1-3 | Telephone No. | 91-44-24501347 |
| IV-1-4 | Facsimile No. | 91-44-24501396 |
| V | DESIGNATIONS | |
| V-1 | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. | |

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| VI-1 | Priority claim of earlier national application | | |
| VI-1-1 | Filing date | 04 July 2003 (04.07.2003) | |
| VI-1-2 | Number | 555/CHE/2003 | |
| VI-1-3 | Country | IN | |
| VII-1 | International Searching Authority Chosen | European Patent Office (EPO) (ISA/EP) | |
| VIII | Declarations | Number of declarations | |
| VIII-1 | Declaration as to the identity of the inventor | - | |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | - | |
| VIII-3 | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | - | |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America) | 1 | |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | - | |

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| VIII-4-1 | <p>Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p> | <p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications", by application number, country or Member of the World Trade Organization, day, month, and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p> |
| VIII-4-1-1 | Prior applications: | |

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| | | <p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p> |
| VIII- 4-1-1-1 | Name (LAST, First) | |
| VIII- 4-1-1-2 | Residence: (city and either US State, if applicable, or country) | |
| VIII- 4-1-1-3 | Mailing address: | |
| VIII- 4-1-1-4 | Citizenship: | |
| VIII- 4-1-1-5 | Inventor's Signature: (If not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) | |
| VIII- 4-1-1-6 | Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |

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| | | |
|--------------|---|---|
| VIII-4-1-2-1 | Name (LAST, First) | VEMPALI, Anandam |
| VIII-4-1-2-2 | Residence: (city and either US State, if applicable, or country) | Chennai, India |
| VIII-4-1-2-3 | Mailing address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholiganallur, 600 119 Chennai India |
| VIII-4-1-2-4 | Citizenship: | IN |
| VIII-4-1-2-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) | <i>A. Anandam</i> |
| VIII-4-1-2-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | 12-07-2004 |
| VIII-4-1-3-1 | Name (LAST, First) | SUNDARAVADIVELAN, Sivakumaran |
| VIII-4-1-3-2 | Residence: (city and either US State, if applicable, or country) | Chennai, India |
| VIII-4-1-3-3 | Mailing address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholiganallur, 600 119 Chennai India |
| VIII-4-1-3-4 | Citizenship: | IN |
| VIII-4-1-3-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) | <i>S. Sundaravadielam</i> |
| VIII-4-1-3-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | 12-07-04 |

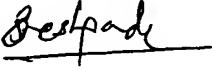
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| VIII-4-1-4-1 | Name (LAST, First) | PRAVEEN, Nagesh, Ganesh |
| VIII-4-1-4-2 | Residence: (city and either US State, if applicable, or country) | Chennai, India |
| VIII-4-1-4-3 | Mailing address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholingu- ganallur, 600 119 Chennai India Chennai India |
| VIII-4-1-4-4 | Citizenship: | IN |
| VIII-4-1-4-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) | <u>N. Praveen</u> 12/07/04. |
| VIII-4-1-4-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |
| VIII-4-1-5-1 | Name (LAST, First) | VITTAL, Manikrao, Waghdare |
| VIII-4-1-5-2 | Residence: (city and either US State, if applicable, or country) | Chennai, India |
| VIII-4-1-5-3 | Mailing address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholingu- ganallur, 600 119 Chennai India Chennai India |
| VIII-4-1-5-4 | Citizenship: | IN |
| VIII-4-1-5-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) | <u>Waghdare</u> 13/07/2004 |
| VIII-4-1-5-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |

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| VIII-4-1-6-1 | Name (LAST, First) | PANDURANG, Balawant, Deshpande |
| VIII-4-1-6-2 | Residence: (city and either US State, if applicable, or country) | Chennai, India |
| VIII-4-1-6-3 | Mailing address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholiganallur, 600 119 Chennai India Chennai India |
| VIII-4-1-6-4 | Citizenship: | IN |
| VIII-4-1-6-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) |  |
| VIII-4-1-6-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | 20.07.04 |
| VIII-4-1-7-1 | Name (LAST, First) | PARVEN, Kumar, Luthra |
| VIII-4-1-7-2 | Residence: (city and either US State, if applicable, or country) | Chennai, India |
| VIII-4-1-7-3 | Mailing address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholiganallur, 600 119 Chennai India Chennai India |
| VIII-4-1-7-4 | Citizenship: | IN |
| VIII-4-1-7-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) |  |
| VIII-4-1-7-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | 20.07.04 |

PCT REQUEST

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| VIII- 4-1-8-1 | Name (LAST, First) | PRATIK, Ramesh, Sathe |
| VIII- 4-1-8-2 | Residence: (city and either US State, if applicable, or country) | Chennai, India |
| VIII- 4-1-8-3 | Mailing address: | Orchid Chemicals & Pharmaceuticals Ltd, 476/14, Old Mahabalipuram Road, Sholiganallur, 600 119 Chennai India Chennai India |
| VIII- 4-1-8-4 | Citizenship: | IN |
| VIII- 4-1-8-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) | <i>Ramesh</i> 13/07/04 |
| VIII- 4-1-8-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |

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| IX | Check list | number of sheets | electronic file(s) attached |
|-------|--|--|-----------------------------|
| IX-1 | Request (including declaration sheets) | 12 | - |
| IX-2 | Description | 12 | - |
| IX-3 | Claims | 5 | - |
| IX-4 | Abstract | 1 | ✓ |
| IX-5 | Drawings | 0 | - |
| IX-7 | TOTAL | 30 | |
| | Accompanying Items | paper document(s) attached | electronic file(s) attached |
| IX-8 | Fee calculation sheet | ✓ | - |
| IX-13 | Priority document(s) | Item (s) VI-1 | - |
| IX-17 | PCT-SAFE physical media | - | ✓ |
| IX-19 | Figure of the drawings which should accompany the abstract | | |
| IX-20 | Language of filing of the international application | English | |
| X-1 | Signature of applicant, agent or common representative |  | |
| X-1-1 | Name: | PARVEN, Kumar, Luthra | |
| X-1-2 | Name of signatory | | |
| X-1-3 | Capacity | | |

FOR RECEIVING OFFICE USE ONLY

| | | |
|--------|---|--------|
| 10-1 | Date of actual receipt of the purported international application | |
| 10-2 | Drawings: | |
| 10-2-1 | Received | |
| 10-2-2 | Not received | |
| 10-3 | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application | |
| 10-4 | Date of timely receipt of the required corrections under PCT Article 11(2) | |
| 10-5 | International Searching Authority | ISA/EP |
| 10-6 | Transmittal of search copy delayed until search fee is paid | |

FOR INTERNATIONAL BUREAU USE ONLY

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|------|--|--|
| 11-1 | Date of receipt of the record copy by the International Bureau | |
|------|--|--|